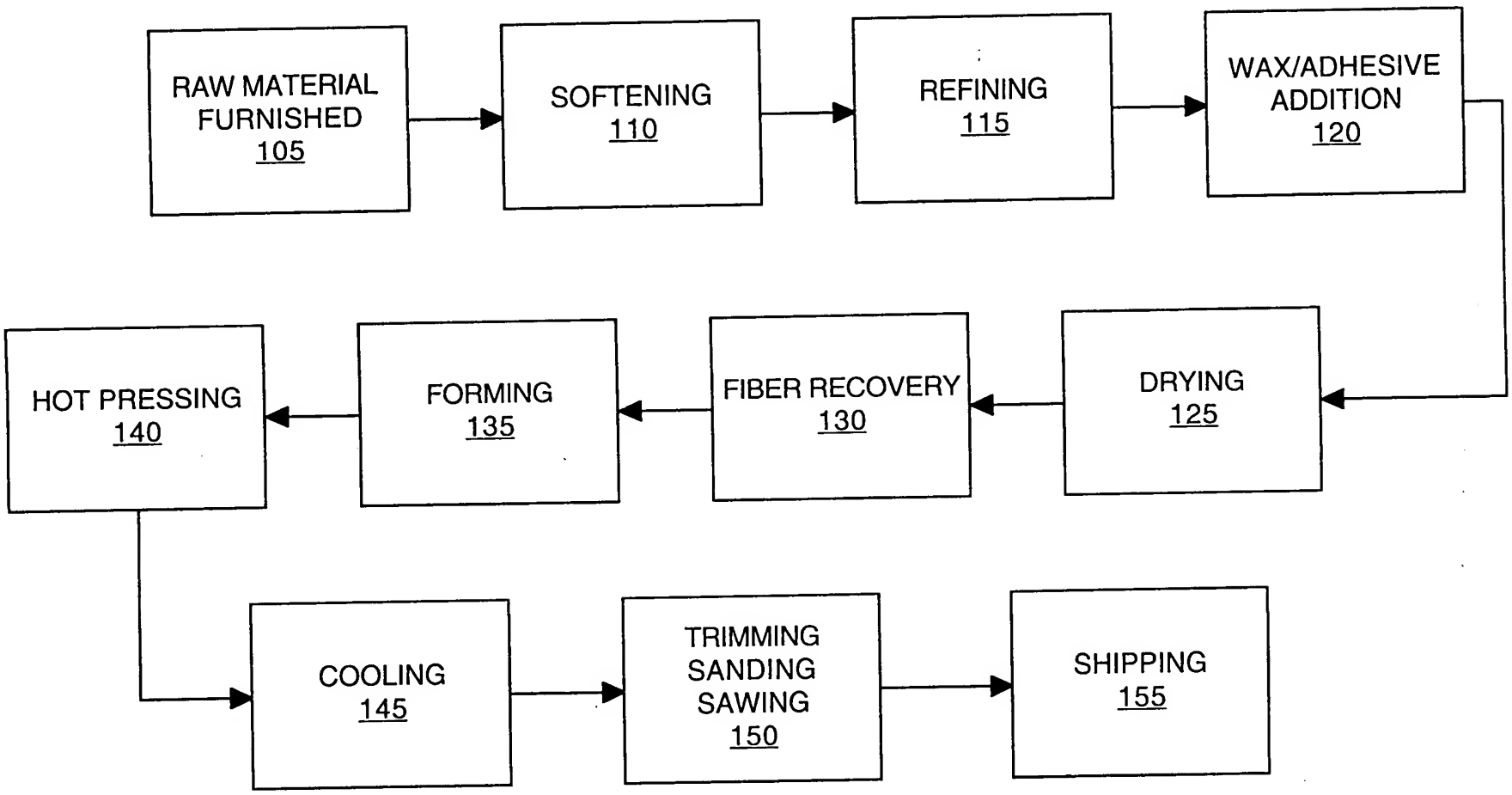
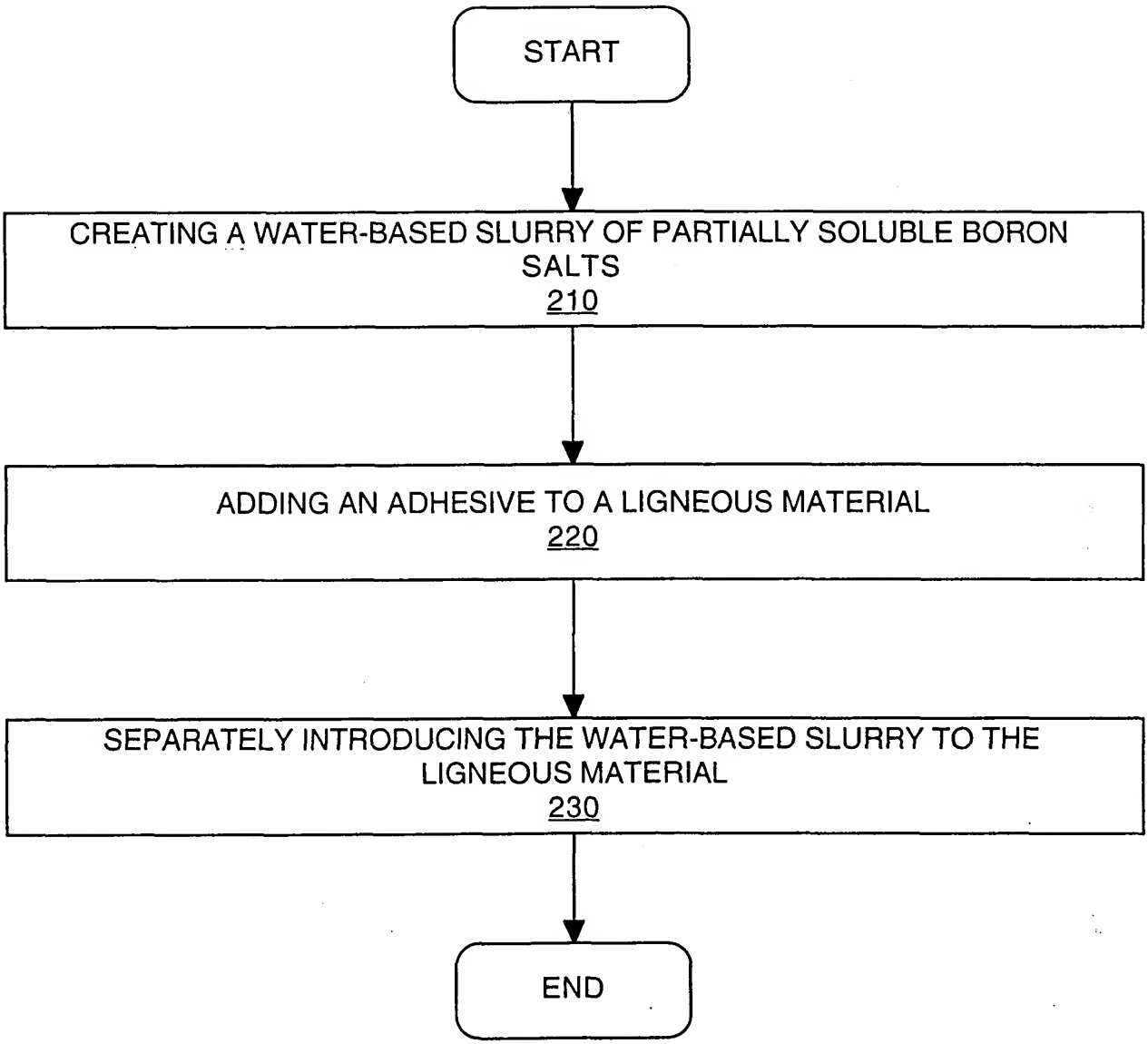
100

FIGURE 1


RAW MATERIAL FURNISHED 105
SOFTENING 110
REFINING 115
WAX/ADHESIVE ADDITION 120
DRYING 125
FIBER RECOVERY 130
FORMING 135
HOT PRESSING 140
COOLING 145
TRIMMING SANDING SAWING 150
SHIPPING 155

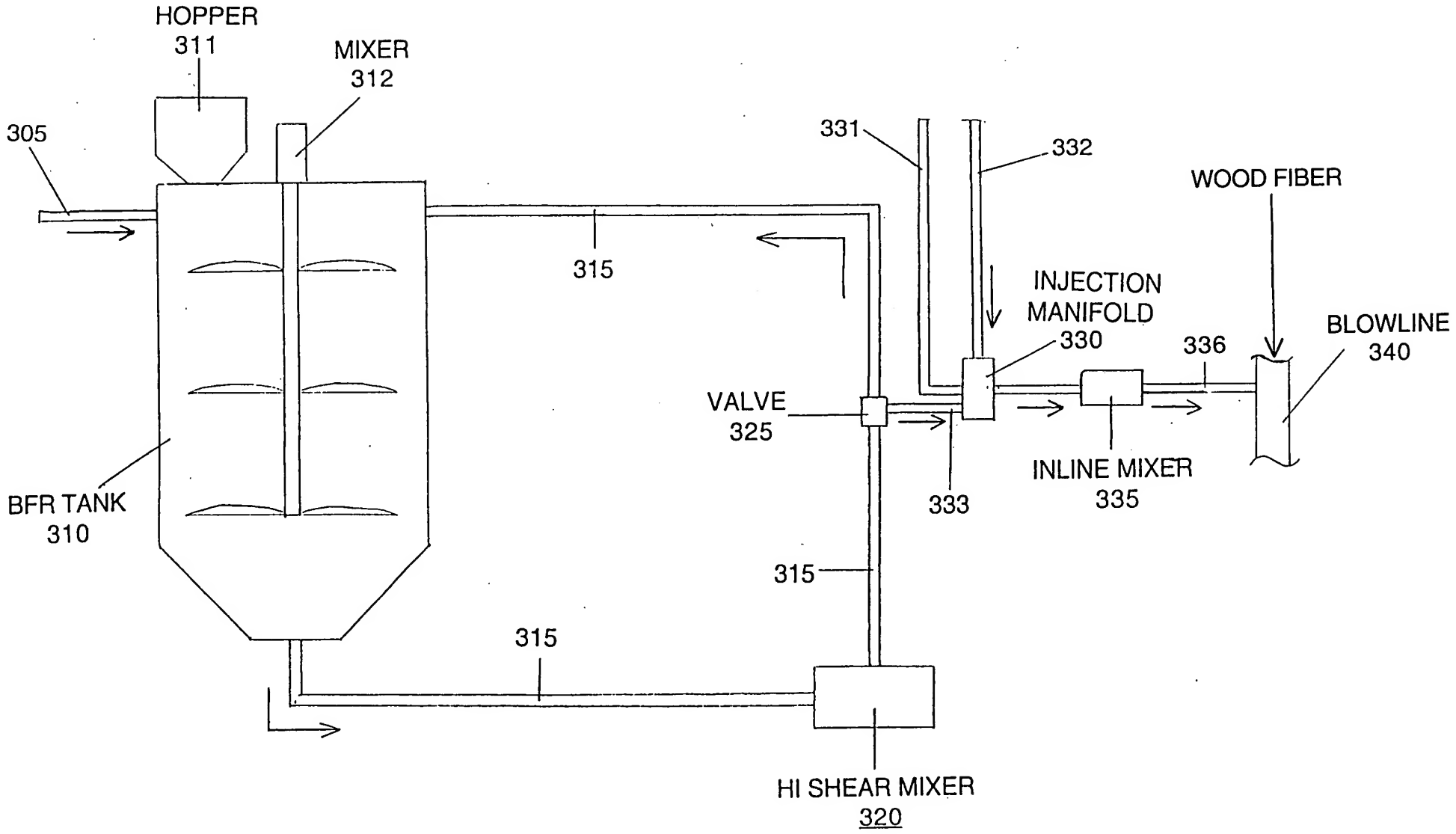
200

FIGURE 2


START
CREATING A WATER-BASED SLURRY OF PARTIALLY SOLUBLE BORON SALTS
210
ADDING AN ADHESIVE TO A LIGNEOUS MATERIAL
220
SEPARATELY INTRODUCING THE WATER-BASED SLURRY TO THE LIGNEOUS MATERIAL
230
END

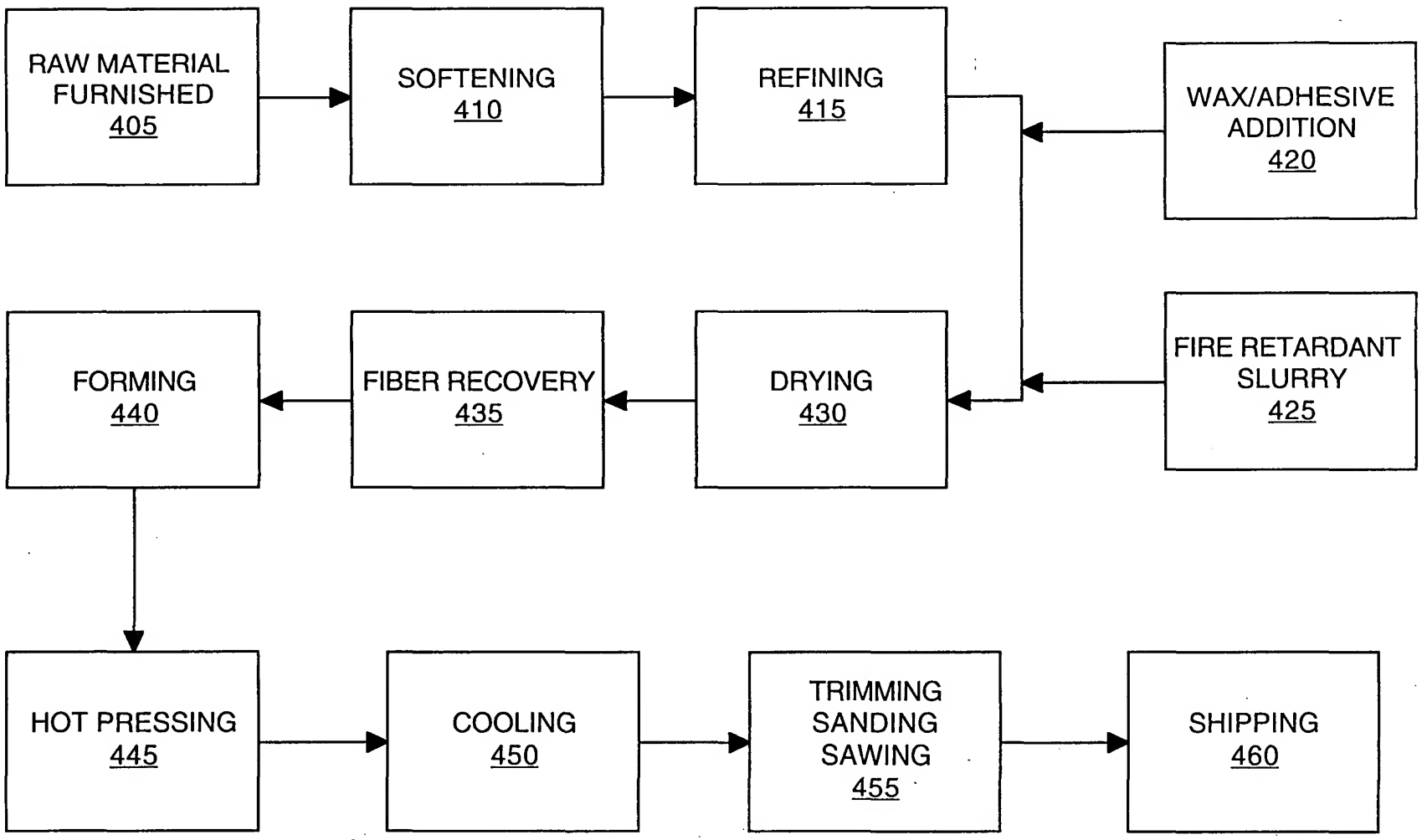
300

FIGURE 3


HOPPER
311
MIXER
312
305
331
332
WOOD FIBER
315
INJECTION
MANIFOLD
330
336
BLOWLINE
340
VALVE
325
BFR TANK
310
333
INLINE MIXER
335
315
315
HI SHEAR MIXER
320

400

FIGURE 4


RAW MATERIAL FURNISHED 405
SOFTENING 410
REFINING 415
WAX/ADHESIVE ADDITION 420
FIRE RETARDANT SLURRY 425
DRYING 430
FIBER RECOVERY 435
FORMING 440
HOT PRESSING 445
COOLING 450
TRIMMING SANDING SAWING 455
SHIPPING 460